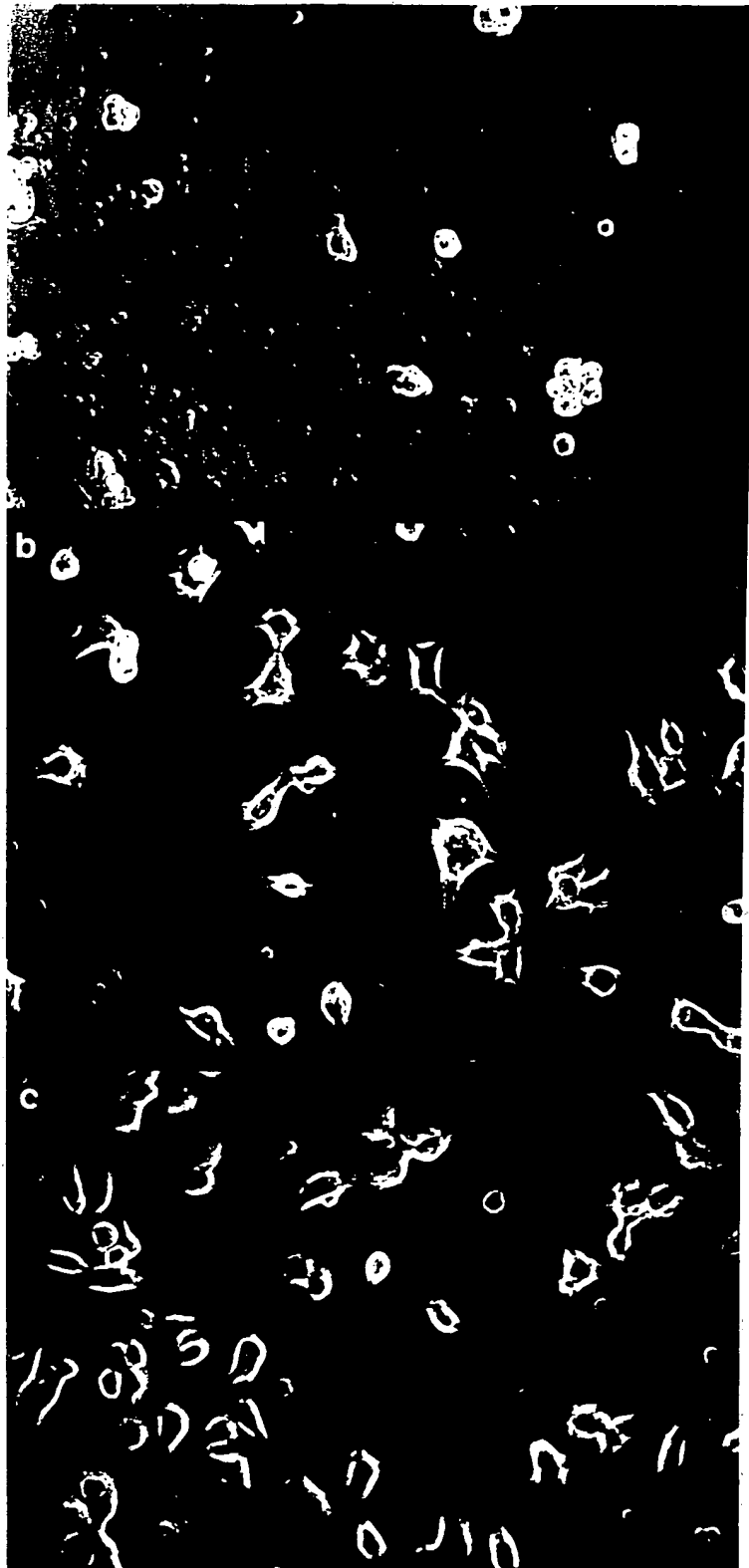


Applicant(s): McKerracher et al.

(+)-TRANS-4-(1-AMINOETHYL)-1-(4-PYRIDYCARBAMOYL)-
CYCLOHEXANE AND METHOD FOR PROMOTING NEURAL
GROWTH IN THE CENTRAL NERVOUS SYSTEM AND IN A
PATIENT AT A SITE OF NEURONAL LESION

17698 U.S. PTO
112006



MAG

FIG. 1A

MAG
+
C3

FIG. 1B

PLL

FIG. 1C

Applicant(s): McKerracher et al.

(+)-TRANS-4-(1-AMINOETHYL)-1-(4-PYRIDYCARBAMOYL)-
CYCLOHEXANE AND METHOD FOR PROMOTING NEURAL
GROWTH IN THE CENTRAL NERVOUS SYSTEM AND IN A
PATIENT AT A SITE OF NEURONAL LESION

FIG. 2B



FIG. 2D

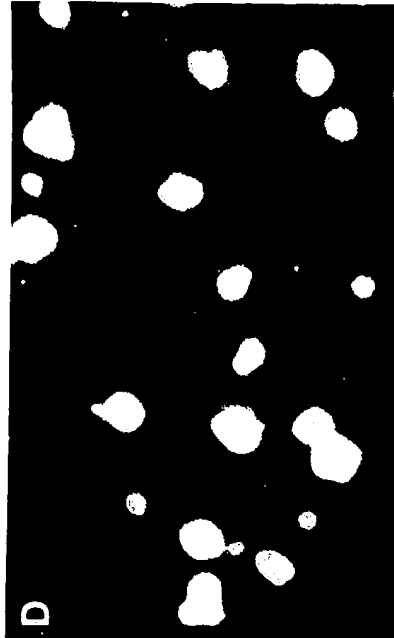


FIG. 2A

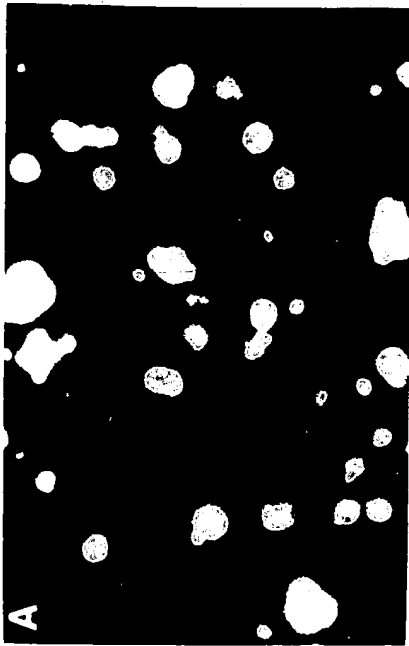
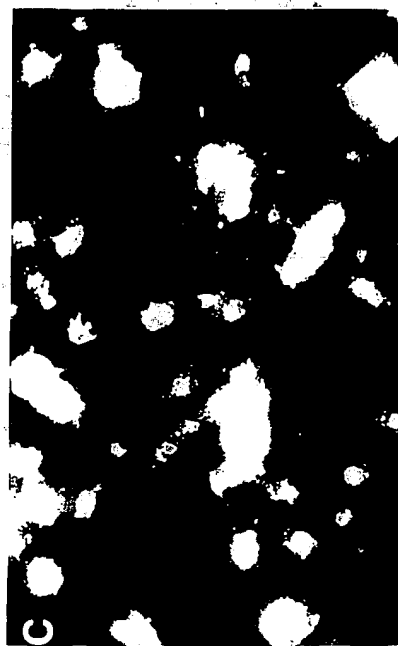


FIG. 2C



Applicant(s): McKerracher et al.

(+)-TRANS-4-(1-AMINOETHYL)-1-(4-PYRIDYCARBAMOYL)-
CYCLOHEXANE AND METHOD FOR PROMOTING NEURAL
GROWTH IN THE CENTRAL NERVOUS SYSTEM AND IN A
PATIENT AT A SITE OF NEURONAL LESION

FIG. 2F



FIG. 2H

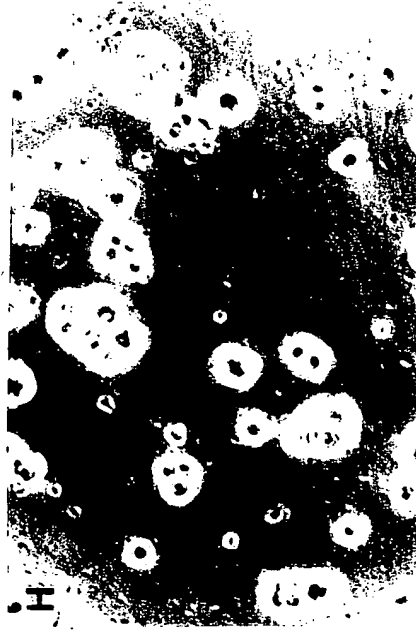


FIG. 2E



FIG. 2G



Applicant(s): McKerracher et al.

(+)-TRANS-4-(1-AMINOETHYL)-1-(4-PYRIDYCARBAMOYL)-
CYCLOHEXANE AND METHOD FOR PROMOTING NEURAL
GROWTH IN THE CENTRAL NERVOUS SYSTEM AND IN A
PATIENT AT A SITE OF NEURONAL LESION

Mock PC12

Dominant Negative PC12

FIG. 3A

FIG. 3B

Laminin

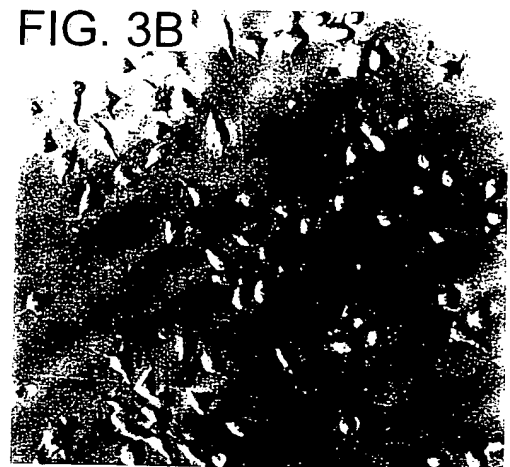


FIG. 3C

FIG. 3D

MAG

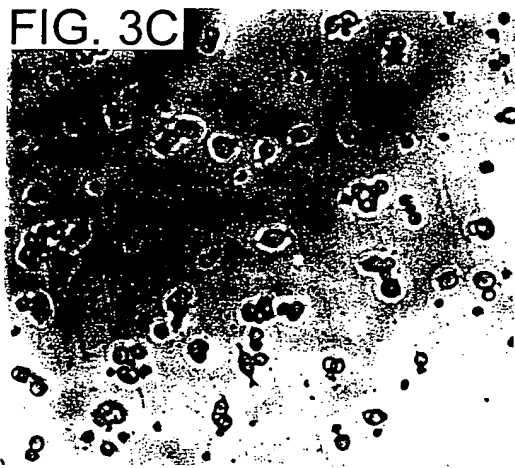
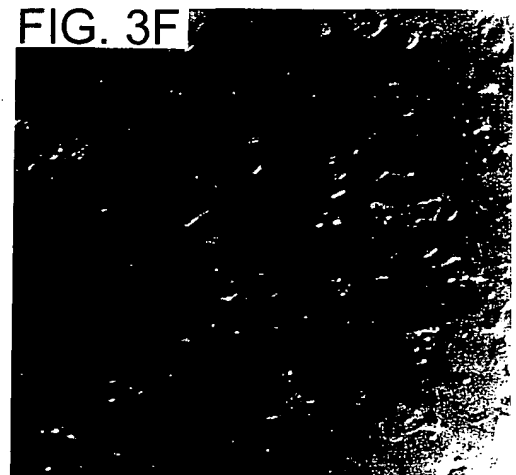


FIG. 3E

FIG. 3F

MAG + C3



Applicant(s): McKerracher et al.

(+)-TRANS-4-(1-AMINOETHYL)-1-(4-PYRIDYCARBAMOYL)-
CYCLOHEXANE AND METHOD FOR PROMOTING NEURAL
GROWTH IN THE CENTRAL NERVOUS SYSTEM AND IN A
PATIENT AT A SITE OF NEURONAL LESION

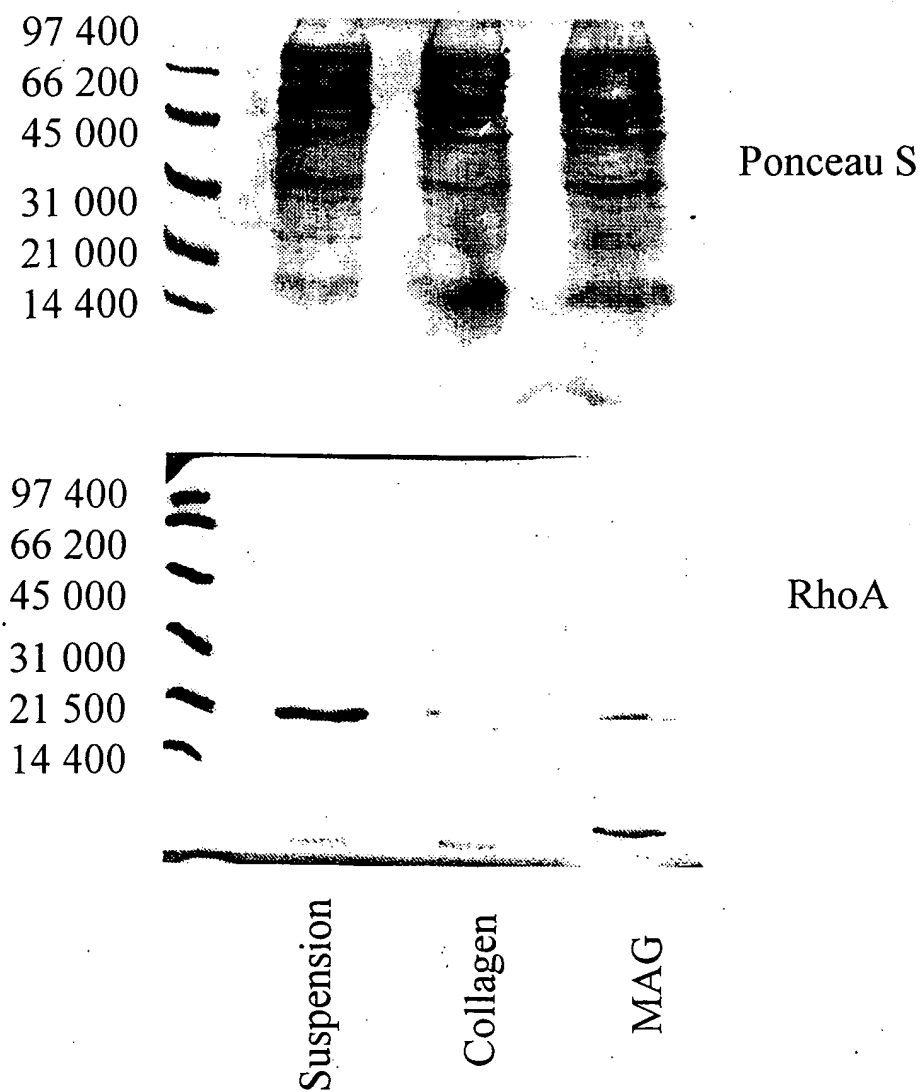


FIG. 4

Applicant(s): McKerracher et al.

(+)-TRANS-4-(1-AMINOETHYL)-1-(4-PYRIDYLCARBAMOYL)-
CYCLOHEXANE AND METHOD FOR PROMOTING NEURAL
GROWTH IN THE CENTRAL NERVOUS SYSTEM AND IN A
PATIENT AT A SITE OF NEURONAL LESION

FIG. 5A

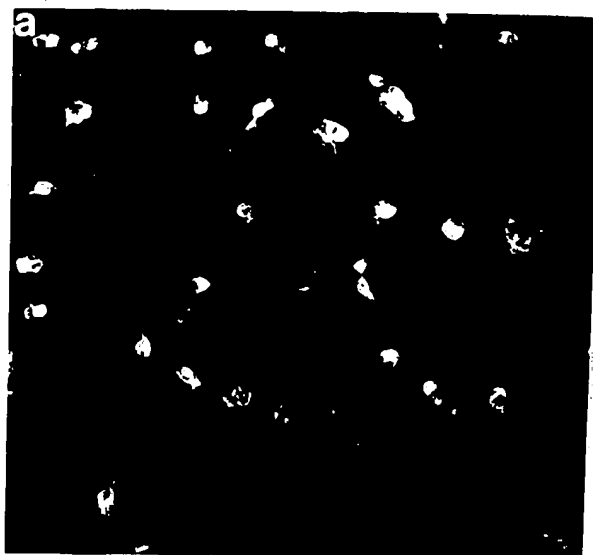


FIG. 5B

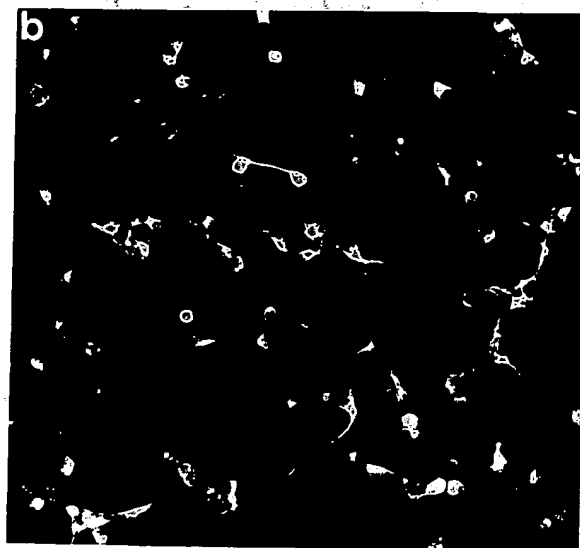
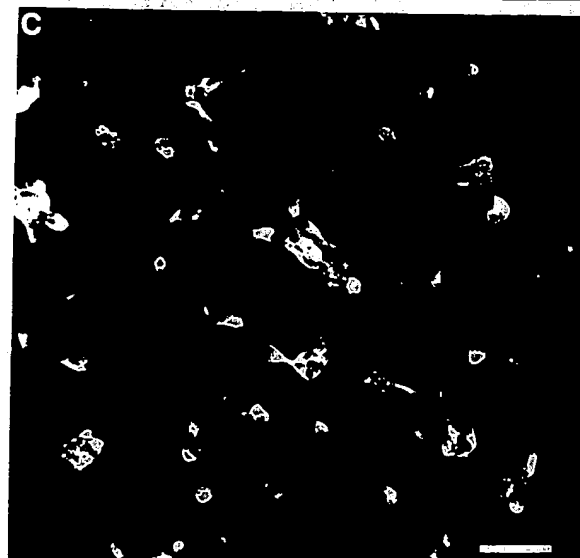


FIG. 5C



Applicant(s): McKerracher et al.

(+)-TRANS-4-(1-AMINOETHYL)-1-(4-PYRIDYCARBAMOYL)-
CYCLOHEXANE AND METHOD FOR PROMOTING NEURAL
GROWTH IN THE CENTRAL NERVOUS SYSTEM AND IN A
PATIENT AT A SITE OF NEURONAL LESION

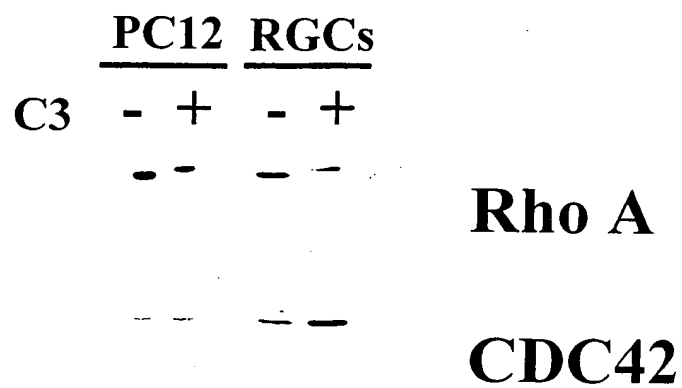
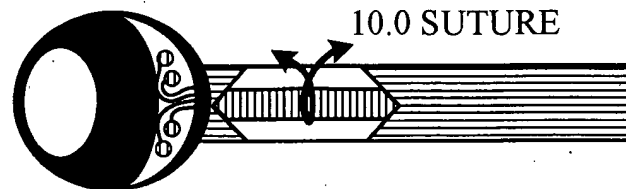


FIG. 6

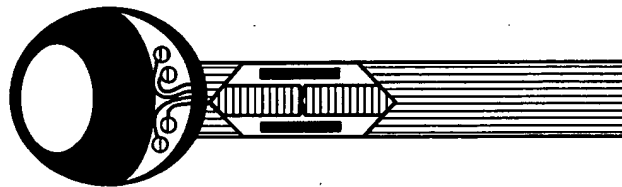
Applicant(s): McKerracher et al.

(+)-TRANS-4-(1-AMINOETHYL)-1-(4-PYRIDYCARBAMOYL)-
CYCLOHEXANE AND METHOD FOR PROMOTING NEURAL
GROWTH IN THE CENTRAL NERVOUS SYSTEM AND IN A
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CRUSH



TREATMENT WITH C3 or PBS



ANTEROGRADE LABELLING

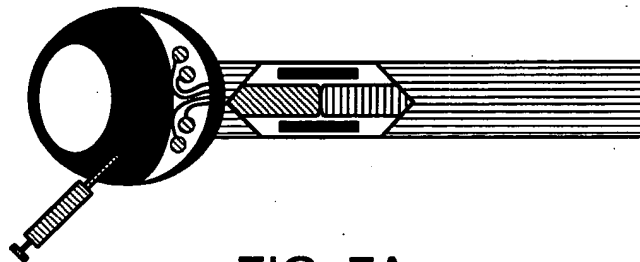


FIG. 7A

Applicant(s): McKerracher et al.

(+)-TRANS-4-(1-AMINOETHYL)-1-(4-PYRIDYCARBAMOYL)-
CYCLOHEXANE AND METHOD FOR PROMOTING NEURAL
GROWTH IN THE CENTRAL NERVOUS SYSTEM AND IN A
PATIENT AT A SITE OF NEURONAL LESION

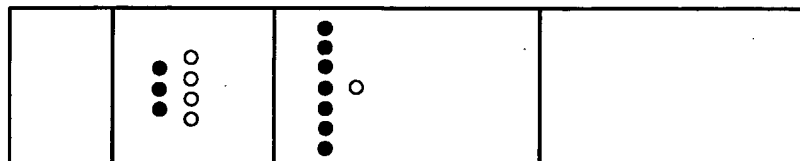
MAXIMUM NUMBER
OF FIBERS PER
14 mm SECTION

● C3
○ CONTROL

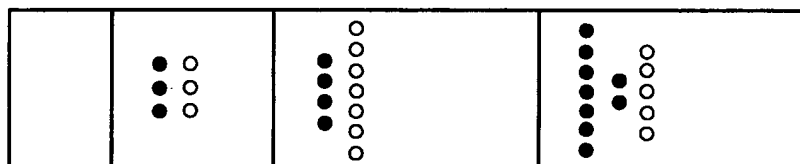
+20 FIBERS



10-20 FIBERS



1-9 FIBERS



CRUSH

100µm

250µm

500µm

FIG. 7B

Applicant(s): McKerracher et al.

(+)-TRANS-4-(1-AMINOETHYL)-1-(4-PYRIDYLCARBAMOYL)-
CYCLOHEXANE AND METHOD FOR PROMOTING NEURAL
GROWTH IN THE CENTRAL NERVOUS SYSTEM AND IN A
PATIENT AT A SITE OF NEURONAL LESION

FIG. 7D



FIG. 7F

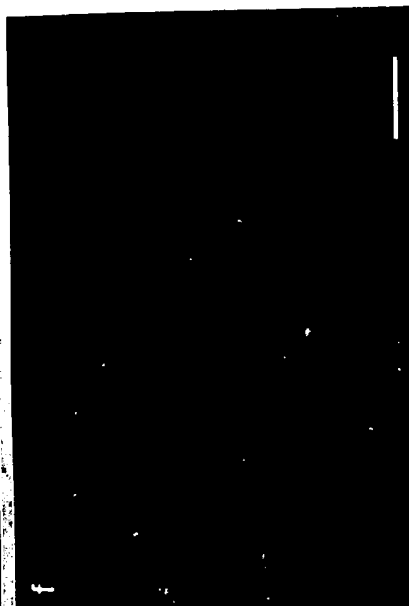
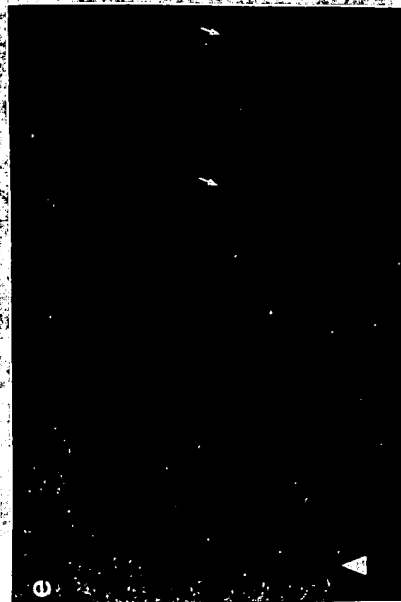


FIG. 7C



FIG. 7E



Applicant(s): McKerracher et al.

(+)-TRANS-4-(1-AMINOETHYL)-1-(4-PYRIDYCARBAMOYL)-
CYCLOHEXANE AND METHOD FOR PROMOTING NEURAL
GROWTH IN THE CENTRAL NERVOUS SYSTEM AND IN A
PATIENT AT A SITE OF NEURONAL LESION.

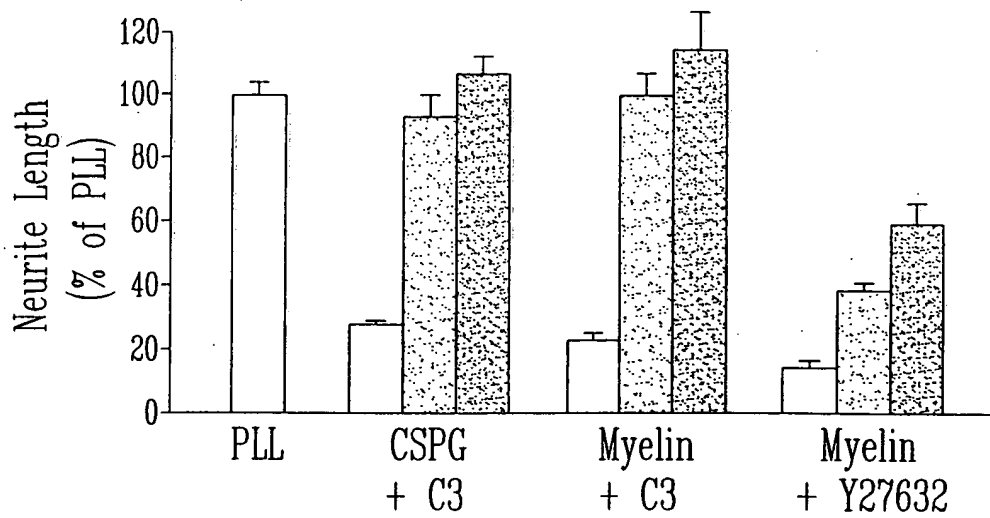


FIG. 8

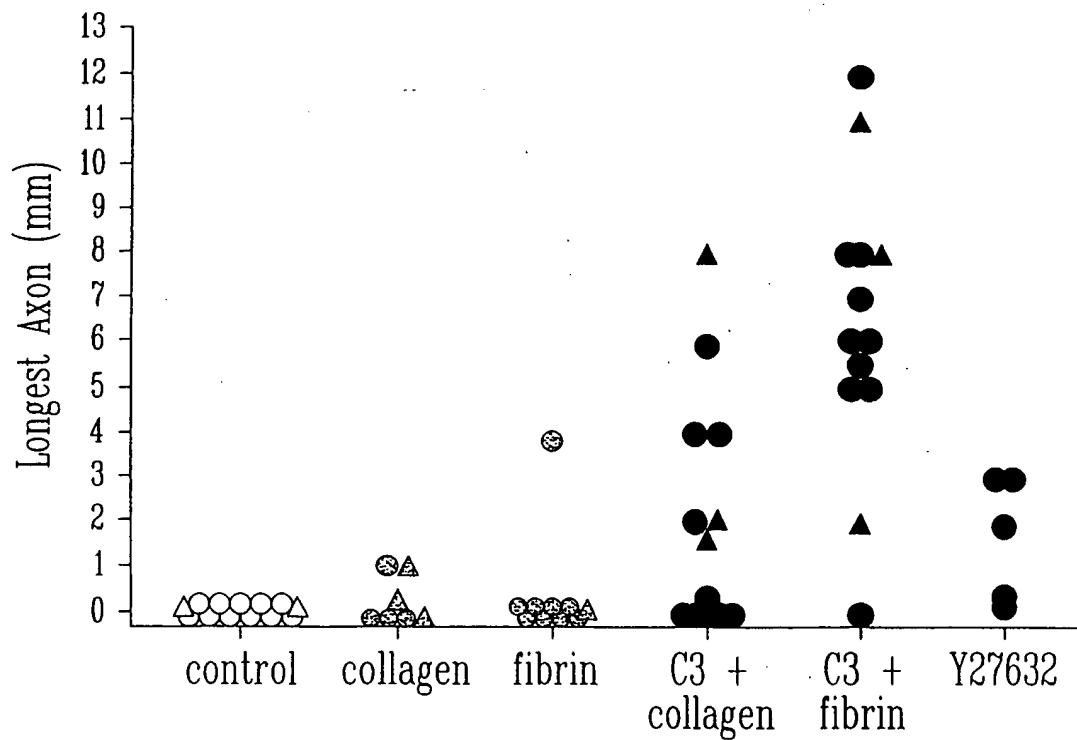


FIG. 9

Applicant(s): McKerracher et al.

(+)-TRANS-4-(1-AMINOETHYL)-1-(4-PYRIDYCARBAMOYL)-
CYCLOHEXANE AND METHOD FOR PROMOTING NEURAL
GROWTH IN THE CENTRAL NERVOUS SYSTEM AND IN A
PATIENT AT A SITE OF NEURONAL LESION.

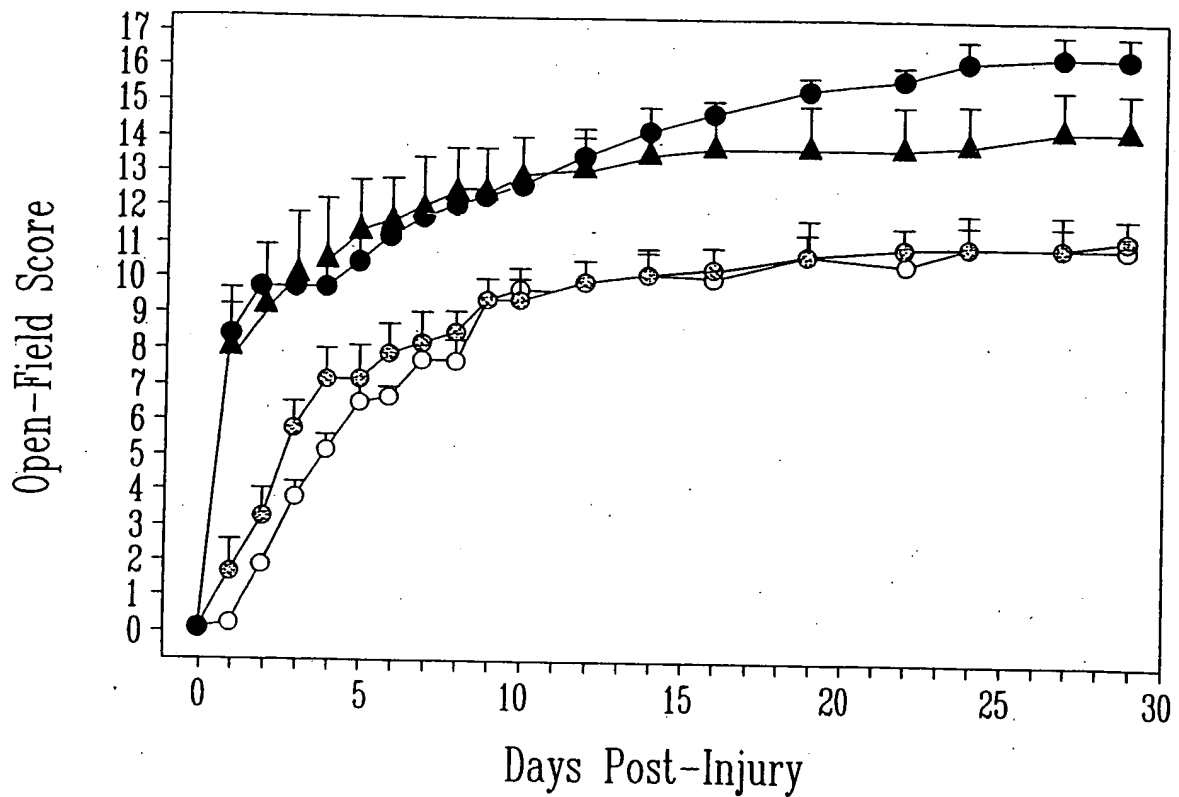


FIG. 10